Missouri Botanical Garden

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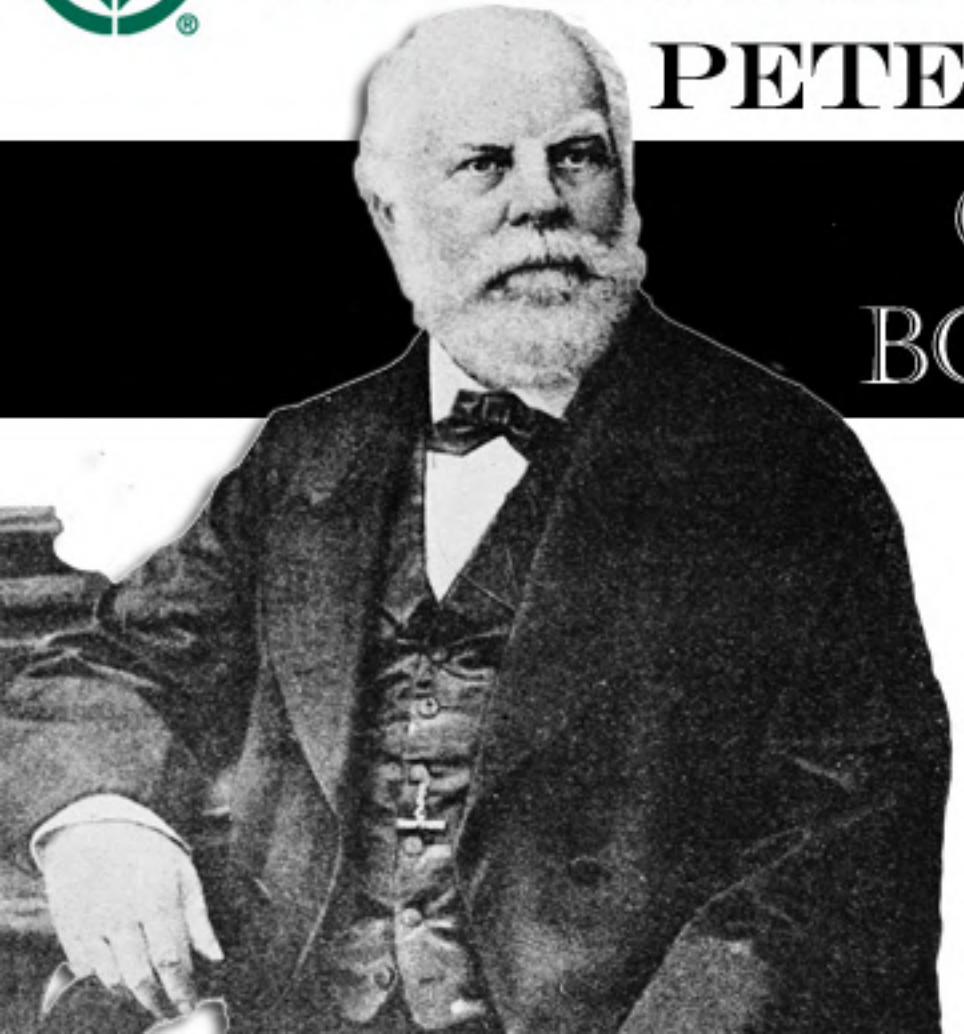
George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Ribesium odoratissimum Aug 2d 1865

section of young fruit (unripe) H.B. Missouri

×4

0 1 2 3 4 5 6 7 8 9 10
cm
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MISSOURI BOTANICAL GARDEN

3692

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

LETCHER.
CHARLES F. PHARMACEUTIST
Fourth & Olive Sts. St. Louis, Mo.

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Ubaense (July 16 1865)

3. Lentago
~~Tranifolia~~ foliis ovatis s. obovatis serrulatis ~~et~~ integris, cyma erecta
Drup. nigricata, nucis ovatae compressiusculae planae

Tranifolium
Lentago
obovatum
? densum
nudum
punctum
? crosum

1. Opulus foliis lobatis dentatis cyma radiata s. eradiata
Drupa rubentes s. aurantiacae, nucis ovato-orbiculatae compressae planae
s. minus exantae

Opulus } valde
edule }
pauciflorum.
acerifolium } eradiata
orientale Pall }

3. Dentata foliis grosse dentatis, cyma eradiata
Drupa nigricantes, nucis minus compressae, distincte exantae

{ pubescens.
dentatum (Cotinifolium premnoides stellatum, ? Colbrookia, vel fil - fol integr. s. dentic)
~~Cotinifolium (Foliis integris)~~

{ scabrellum
Linosii platanoides ambiguum grandiflorum
blank fol.

4 Lantanae foliis tomentellis ovatis s. ovatis, dentriculatis
cyma rad. s. eradiata. Drupa nigrae, nucis parce compressae, exinde exantae
albumine ruminoso.

Lantanoides (valde)
? Lantana (= acerifolium fide Dr. - fil)

5 Tinus foliis perennantibus (fide integra vel subdentata, ovata
Drupae atro purpureae, lucidae nucis tumidae exsuccae, cymae eradiatae
tenuiter rugosae, albumine exinde ruminoso

{ microcarpa
odontina
Tinus
rugosum

? odoratissimum

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Dr G. Engelman.

Corner of 5th and Elm Street,

South-East Side.

3693

Viburnum Trilobum

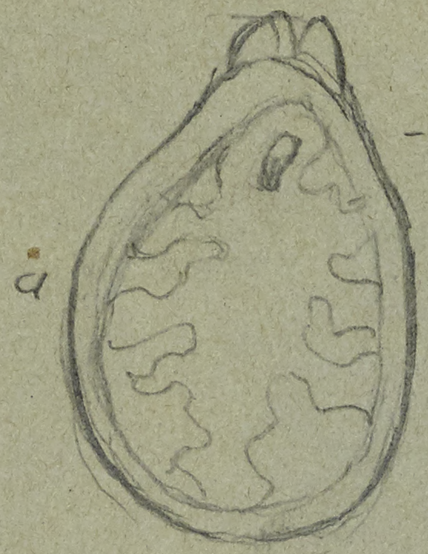
Rome Oct 30 1868

x 4

a

b

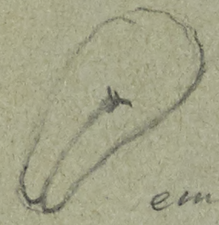
very thin and dry pulp



a

b

---- curbyo



embryo

x 15

a ground side, bulgeout

b. opposite, round side

somewhat straight —

vertical section

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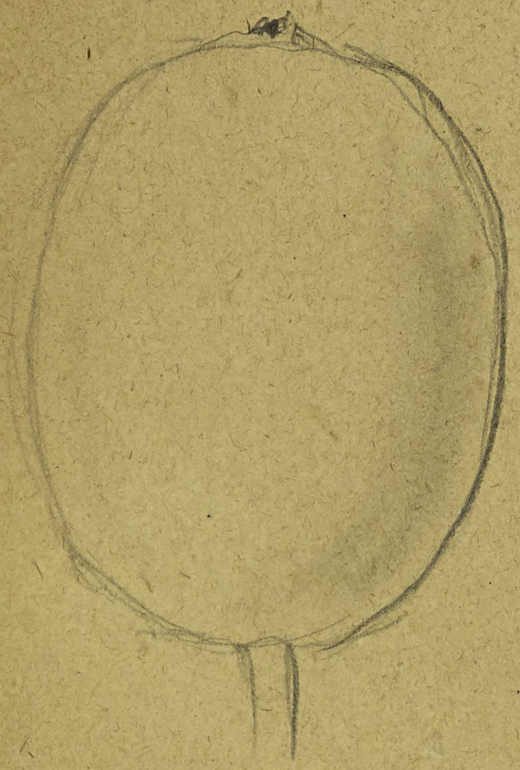
9 : 140 / 15 = 1 : x

U. S. Opalaca
Kgamb 17 Aug. 1868

× 4



seed of almond size
fruit

seed always
one side
elevated purpose
of stone corresponding with the
cherry red
larger and more fleshy than the
the berry

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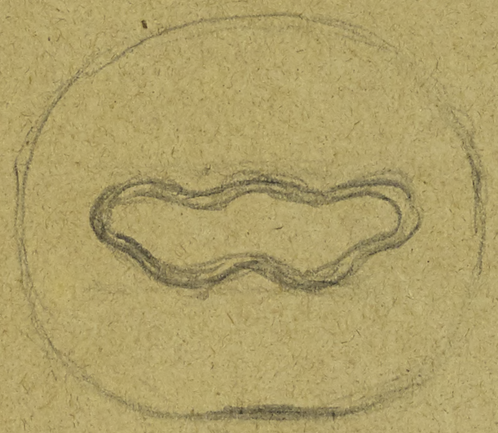
Vic. Santana
Kwale 17 Aug 1968
Soil of almost wipe
Bris

× 4



Black

Drupe slightly
grooved on back
Cork flattened
on the side
corresponding with the
ventral longitudinal groove of
the stone. Drupe rounded at base

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Berlin Jan 1868

Viburni Generis adumbratio

A. S. Örsted.

Ex Act. Soc. hist. nat. hafn. 1860

p. 276. Loniceree (Linnea, Abelia, Symphoricarpus, Leycesteria Diervilla, Lonicera).

Sambuceae (Sambucus, Adoxa, Tripeteleus Viburnaceae)

p. 280 Viburneae (subtribe of Sambuceae

281 Drupa sparic 2-3 locularis (Or. Sol. Mier) Drup 1-locularis (Vib. Tin)

p. 281. Oreinotinus, Örd. Sect of Drupa

1. Tiliifolii

p. 282 O. microcarpus (Cham & Schl) Mexico

O. tiliifolius n. sp. Jalapa →

p. 283 O. rhombifolius n. sp. Orizaba

O. stellato-tomentosus n. sp. Costa Rica →

O. Wendlandii n sp. Costa Rica

p. 284 O. serratus n sp. Nov. Granat.

O. membranaceus n sp. Oajaca

p 285 O. stenophyllus n sp. Merida

2. Sloanesfolii

p. 286 O. ferrugineus n sp. Nov. Granat

O. obovatus (Ruiz & Pavon pros. in Herb reg. Berol.) Peru

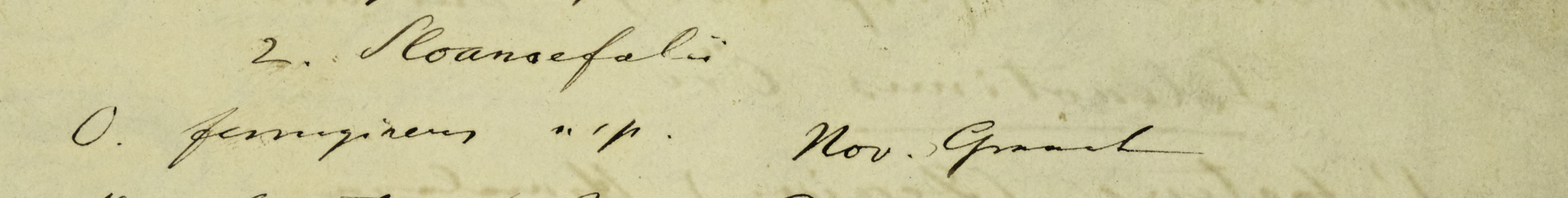
O. reticulatus (Ruiz & Pavon Herb. n. 6.) Peru

p. 287 O Pichinchensis (Bonpl) Guajan Humb.

O. dentatus (Bonpl) Peru, Humb

O. discolor (Bonpl) Guatemala →

O. Cassiophyllus (Bonpl) Bogota



p. 287 O. sulcatus n. sp. (Mexico) Liebm.

p. 288 O. villosus (Sw) Jamaica

O Jamesonii n. sp. Monte Pasto

O. undulatus n sp. Nov. Granat

p. 289 O. Hartwegi (Benth) Guatemala

O. fuscus n. sp. Oaxaca

p. 290 O. glabratus (H B K) Popayan

O. ayavacensis (H B K.) Peru

O. Costaricianus n. sp. Costa Rica

O. triphyllus (Benth) Bogota

p. 291 O. tinoides (Lin) Bogota

O. laurifolius n. sp. Peru

O. Mathewsii n sp. Bagasan

p. 292 O. stellatus n. sp. Mexico, Oaxaca

O. Hallii n. sp. Quito

p. 293 O. acutifolius (Benth) Mexico

O. microphyllus n. sp. Mexico

Microtinus Örd.

p. 294 M. odontissimus (Ker) Ind occ. →

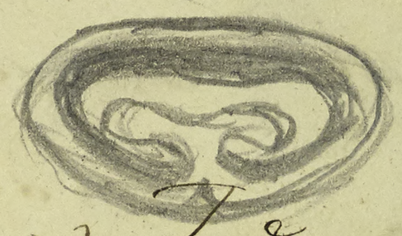
M. Simonsii (H f & T.) Ind occ.

Solenotinus Örd

S. foetens (Decaisne) Himalaya →

p. 295 S. nervosus (Don) O. grandiflora Hall) Ind or

S. embesenus (Hall, O. Wightiana Hall Himalaya



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p. 295 — **Viburnum** L. ex parte, Ö"d

p. 296 — 1. Eviburnum rotoll. rotat ✓ endoraspid ✓ 2 - 3 cost. s. subinfundibulif dors. ventr 2-costat.

a. rotella rotata s. subinfundibuliformia

V. cotinifolium Don Himalaya

V. Lantana L Europ

p 297 — V. Lantanoides Michx Am. bor.

V. stellulatum Wall Himalaya

V. corylifolium Hf & T. "

V. cordifolium Wall "

V. tomentosum Thunb. Japon

p. 298. — V. plicatum Thunb. Jap & Chin

V. macrocephalum Fortun Chin

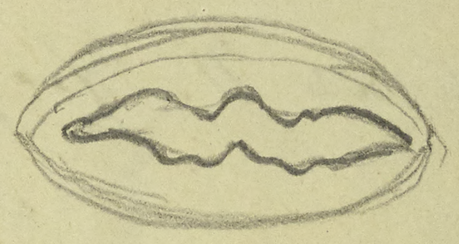
V. foetidum Wall Himalaya

V. lutescens Blum "

V. punctatum Ham (acuminatum Wall) Himalaya

p. 299 — V. integrifolium Wall. Java

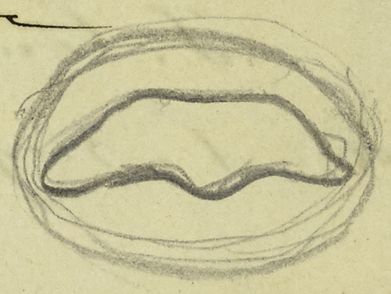
V. sambucinum Blum " et



V. Zippelii Miq Nov. Guinea

? V. elliptieum Hook fl. Bor a. Oregon

V. semperflorens C. Koch. Chin



C. Koch ?

Rotata

V. orientale Pall. Caucas

V. acerifolium L. Am. bor.

V. pauciflorum Pylay. Am. bor

b. Corolla urceolata

p. 300 — V. coriaceum Blume Java

V. cylindricum Ham Himalaya

V. Jeylanicum Gardn mss. Ceylon

V. capitellatum Wight & Arn. Malabar

V. hebanthum Wight & Arn Malabar

0 1 2 3 4 5 6 7 8 9 10 cm
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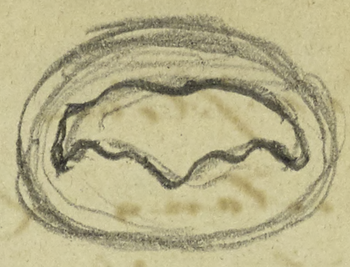
p. 300 *V. arvicolatum* Sieb & Juss Japan

2. **Lentago** corell rotat. subcarp costat vel dorso levissime 1-costat.

p *V. dentatum* L. Am. bor.

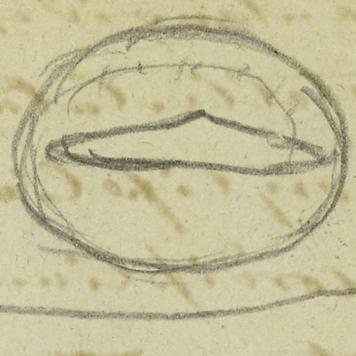
p. 301 *V. pubescens* Pursh Am. bor. →



V. nudum L Am bor

V. prunifolium L. Am bor

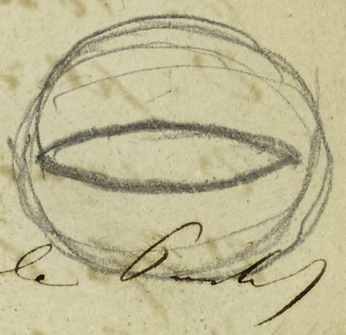
V. Lentago L Am bor →



p. 302 *V. densum* Benth Mexico

V. elatum Benth. Mexico

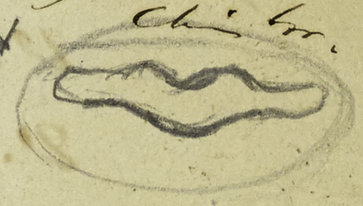
V. Opulus L. Eur. Am bor Sibir → (Cobaea)



V. Oxycoccus Pursh Am bor. (*V. edule* Bunk)

3. **Lonicerodes** corell. infundibuliformi-tubulosa carp. dorso 3-costat, ventre 2-costat

V. Davuricum Pall (*Lonicera mongolica* Pall) As. med. Chin bor.



p. 303 *V. fragrans* Bunge Chin bor

Sinus Tourn.

S. lanifolius Borkh. *V. Sinus* L. Europ. aut

p. 304 *S. rugosus* (Pers) (*V. rigidum* Vent *V. Bitchiuense* Car.)

Non satis notae

V. Hasseltii Miq.

V. Junghuni Miq

V. oblongifolium Turcz

V. parviflorum Mart & Gal

V. phlebotrichum Sieb & Zucc.

V. Sandankwa Hassk. Miq.

Berl 22 Jun 1868

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2697

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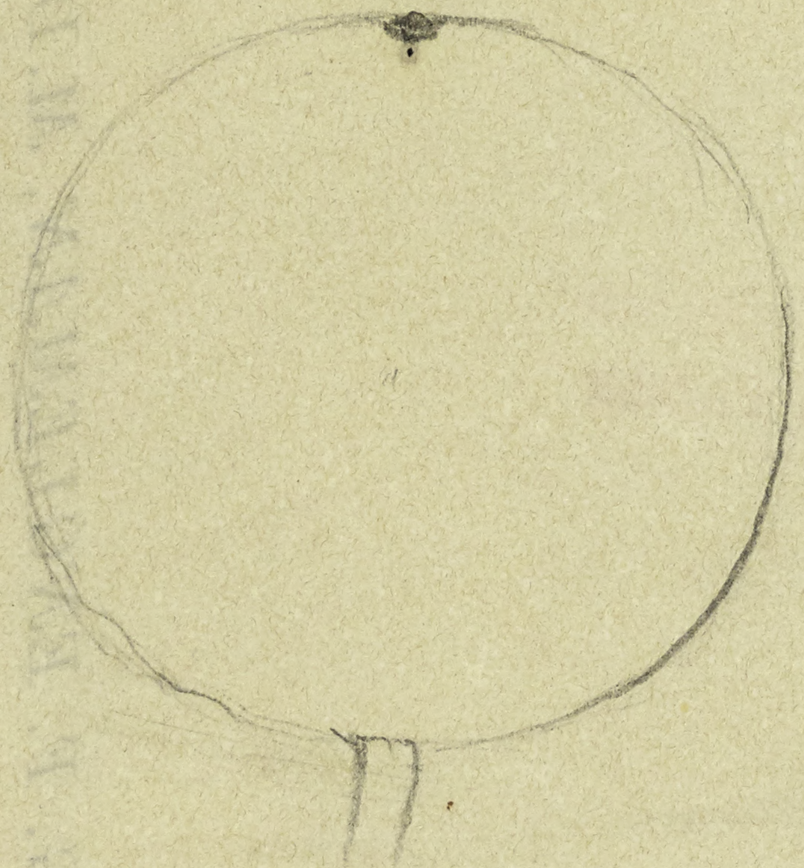
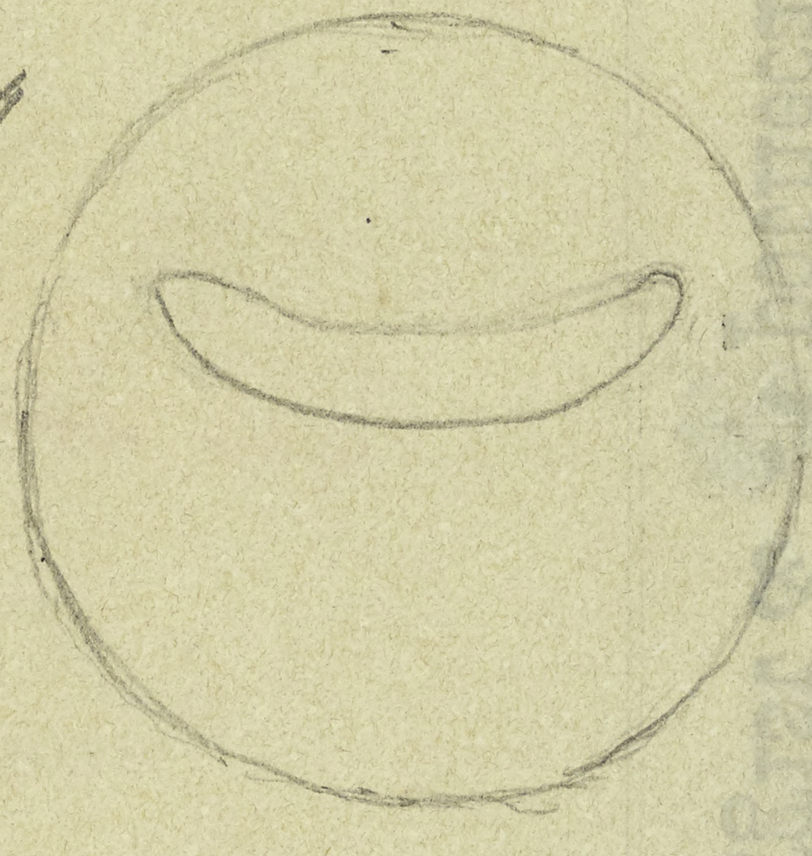
" Viburnum oxycoccos "

Aug 19 1875

Hab Bot. Meadows



x 4



Transverse section

very globose,
a little depressed

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R. C. HARRISON,

508 Leffingwell Avenue,

Druggist & Apothecary

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G. F. ENGLEMAN, M. D.,

3003 Locust Street.

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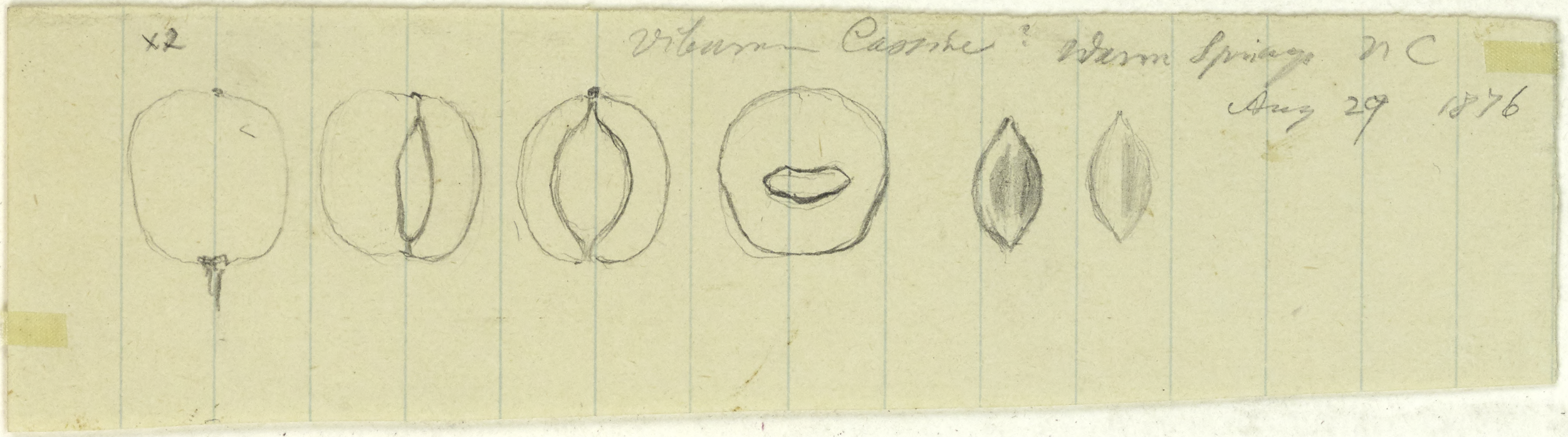
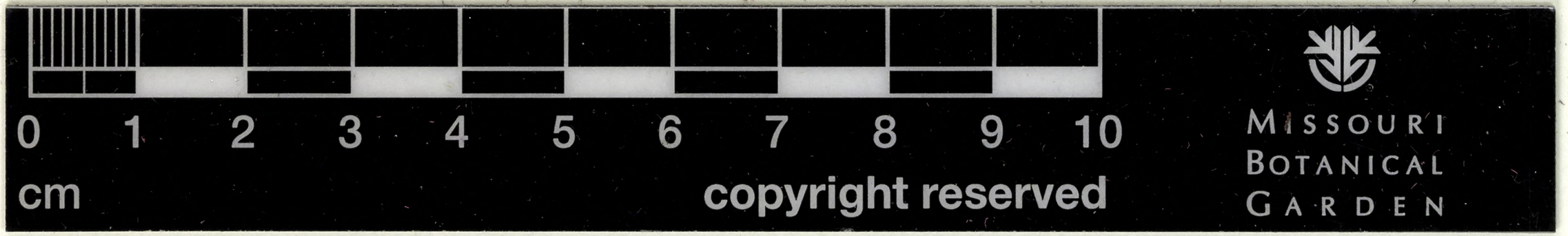

x2
Viburnum Cassinoides ? Warm Springs NC
Aug 29 1876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Ulmus

warm springs NC.
Aug 29 - 1876

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Oct 1878

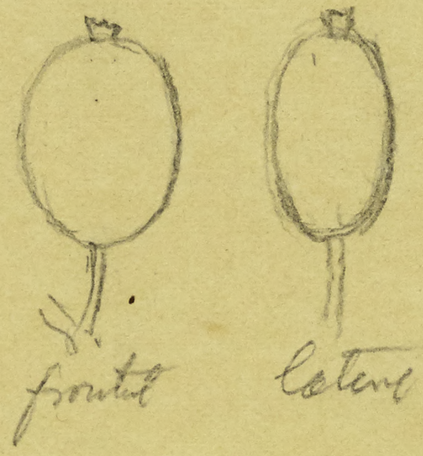
Viburnum prunifolium

Specimen Ellis

ovate form.

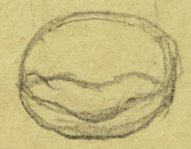
leaves now quite glabrous

petiole very narrowly margined

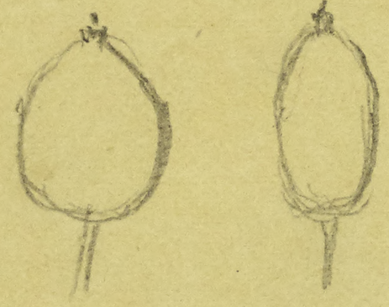


fruit

Calyx



cut



narrer
fruit shorter
broader
tubercle

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ARTHUR T. HOLLISTER,

Druggist,

301 South Fifth, S. W. Cor. 5th & Myrtle, St. Louis, Mo.

℞

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cm 0 1 2 3 4 5 6 7 8 9 10
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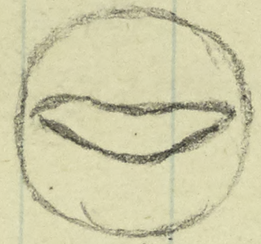
Viburnum prunifolium ? fide Pog Aug 31 76

Banks of South Broad River
below Asheville NC
Aug 30

×2



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V. b. praemissi – ferruginea fl 8–9 mm diam.
anth 1,4–1.6 long ovoid

Lentago, anth fl 5–6 mm
anth 0.7

des Bois fl. 7 mm
anth 1 mm
botan fl. 7 mm
anth 1.2–1.4 mm

V. berberum praemissi St Louis. fl. 7–9 mm dia
anth 1.0–1.5 mm long

calif. obtus. fl. 8–9 anth 1.3–1.5
angustifol. fl. 7, anth. 1–1.4

V. Lentago (anth) fl. 5–6 mm dia
anth. 0.8 — long

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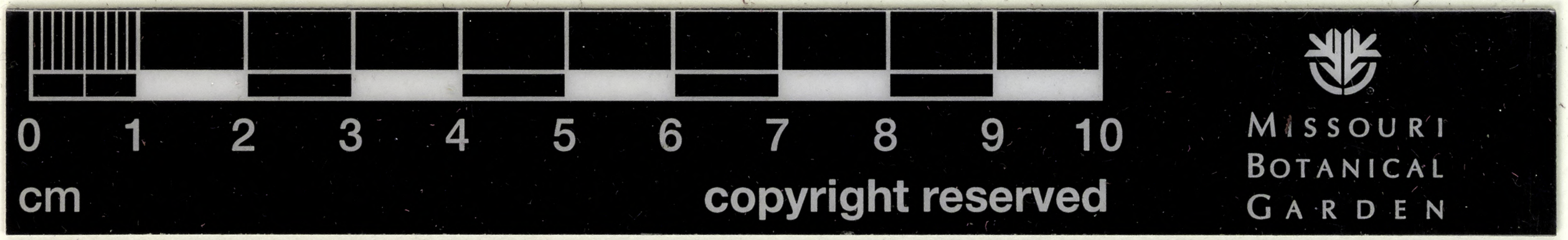
Leitch & Corlies
DRUGGISTS
South West Corner Fifth and Market Streets.



Viburnum

form of nut:

1. flat ovoid or orbicular

a. without distinct markings

		long	wide
1. V. prunifolium		10	8½ mm
2 V. opulus	8½ - 7½	7	5½
3. V. nudum		5½	4½

b. distinctly grooved

4 V. pubescens		7	5½
5 V. acerifolium		6½	6½
6 V. paucifloreum		5½	5

2. thick, elongated

7. V. scabrellum #	(1 groove)	7 –	4½
8 V. Lantanoides	(5 grooves)	7 –	5
9. V. rugosum	(1 groove)	9 –	5
V. Tinus	(no groove)	8 –	5

Pulp oily ! = 8 & 9 albumen ruminated

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ALEX. LEITCH,

APOTHECARY & PHARMACEUTIST.

Marble Building Cor. Fourth & Olive Sts. St. Louis, Mo.

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Viburni genus Adumbratio

auctore A. S. Oersted 1861

ex Actis Soc. Nat. Hist. Hafniae 1860

Viburneae (Sambucearum Tribus)

Drupa spuria bi-tri-locularis

- Corolla campanulato-rotata; Cyma umbellata; Drupa spuria trilocularis → **Oreotinus** — 32 species for Mexico, Centr. Amer., Nov. Granad., Peru & Jamaica
- Corolla tubulosa; Cyma paniculata; Drupa spuria triloc. → **Solenotinus** — Himalaja: V. foetens Decaisne; V. nervosum Don; V. erubescens Wall.
- Corolla rotata; Cyma paniculata; Drupa spuria biloc. → **Microtinus** — Khasia: V. odoratissimum Ker; V. Sieboldii Hook. f. et Th.

Drupa unilocularis

- Drupa bacc., endocarpio et semine compressis → **Viburnum**
  - **1. Euviburnum** Cyma umbellata; Corolla rotata, infundibuliformi s. urceolata; endocarpium dorso 2-3 costatum — 26 species, Europa et
  - **2. Lentago** Cyma umbellata; Corolla rotata; Endocarpium ecostatum vel dorso levissime unicostatum — 9 Species, Europa et
  - **3. Loniceroides** Cyma paniculata; corolla infundibuliformi-tubulosa; endocarpium dorso tricostatum, ventre bicostatum — V. davuricum Pall., V. fragrans Bunge
- Drupa achenoidea, endocarpio et semine ovoideis → **Tinus** — Vib. Tinus L., V. rugosum Pers.

0 1 2 3 4 5 6 7 8 9 10 cm
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cm 0 1 2 3 4 5 6 7 8 9 10

Department of Agriculture,

Washington, D. C., June 20, 1864.

Sir:

The following is a copy of the law recently passed by Congress, restoring to this with other Departments the full franking privilege, by which it will be seen that no prepayment of postage is required in addressing small parcels, seeds, cuttings, &c., to this Department:

I. PUBLIC—No. 82.

AN ACT in relation to Franked Matter.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That all communications relating to the official business of the Department to which they are addressed, of whatever origin, addressed to the Chiefs of the several Executive Departments of the Government, or to such principal officers of each Executive Department, being heads of bureaus or chief clerks, or one duly authorized by the Postmaster General to frank official matter, shall be received and conveyed by mail free of postage without being indorsed "Official Business," or with the name of the writer.

Approved June 1, 1864.

I will thank you to make this as public as possible.

Very respectfully, yours, &c.,

ISAAC NEWTON,
Commissioner.

GEORGE ENGELMANN PAPERS
Missouri Botanical Garden
3705

primifol blk
Lentago blk
obovata blk
nudum blk
punctatum ? 7 fol integerrima
erosum 24 red Brk fol eroso-dentatis obtusis subtus glaucis flores monogyn.

pauciflorum red
aceriifolium atro rub.
(orientale Bull)
Colbrookianum 10 fol ellipt. dentato serratis

Lantana black
pubescens black
Dentata black
Cotinifol 28 red fol subtus glauca integerrimis stellato tomentos.
polymorpha 9 red grosse serrat.
stellulata 32 red ovat. acumat, subtus velutin distant. cellos serrulat
Colbrookiana 10 (6 mm) ellipt. dentate serrat.
scabrella black
~~embergeri 46 fol serrat glab. corolla cylindr.~~
Simonsii black
plicatum 48 black (Dentate Thunb) ovat. dentato serrat. — corymb red.
embergeri 46 ? fol serrat corolla cylindr
grandiflorum 45 ? dentato serrat. corolla cylindr.

Lantanoides black corolla, stamina — insert

odontophyllum black 22 racemosa.

mitoreiphyllum blk p. 672 orbicular mucronate serrate dentate (folii Corylus

Tinus alba minosa.
rugosum purple
purple

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Opulus would comprise ~~the tribe~~ spec. 5–7 with tribe
leaves, (flat, even or marked stems) radiate or even cymes, red or blackish red berries.
Lentago spec. 1–4, with serrulate or serrate entire leaves, even cymes, blanch black berries, ~~and flat~~ not or scarcely marked stems.

Lantana sp. 8–11 ~~with~~ coarsely (dentate or pilose) leaves, smooth or with stellate pubescence, even or very rarely radiate cymes, blanch black berries, and ~~strongly~~ marked, compressed or ~~more oval~~ thicker stones. This section might be subdivided ~~into~~ according to the form of the stones, above ~~quite~~ detailed.

Sinus sp. 12–15. with perennial (always?) ~~shrubs~~ entire leaves, ~~coriaceous~~ ~~dilated~~ cymes, dark purple or almost dentate ~~the~~ berries, ~~with~~ a ~~round~~ seeds with ~~round~~ albumen.

If you will oblige me, as herein requested
may I ask the favor of you to enclose the letter
through P.O. to reach me on Monday for N.Y.

Saint Louis June 16. 1865.

Dr Engelmann

Dear Sir -

Although not
personally acquainted with you, I yet
presume to ask in behalf of Mrs I. G. Lin-
dell my mother in law, & Miss Leclaire
the governess of my children, letters of intro-
duction - My friend Dr Norman Cross says
"get from Dr Engelman letters to some Savans
at Paris, that will authorize Mrs Lindell
and Miss Leclaire to be admitted to the
Lectures of the Jardin academy, and the
library of prints on 25th Augt" - I will
also be obliged for letters to Hanover, Hid-
delberg - Berlin &c -

In case any of my family are sick
I would be under many obligations if you
would name the Physicians I should employ
in London, Paris - & the other principal Cities
of Europe. My duty & Respects
to Mamma -

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~~11~~ stones

In V. nudum and still more in V. obovatum the markings, ~~are characteristic of the~~ ~~genus~~ V. amplexicaule, and pubescens are already ~~visible~~, but ~~are~~ ~~often~~ ~~fully~~ evident.

The stone of Europe and stone V. Opulus, bony
such I could examine are all oval, and longer than wide. But a few specimens of what was called V. edule had stones broader than long, and deeply emarginate at base; further research must show, whether this is a constant character, perhaps with others sufficient to reestablish the Pursh'ian species. The only fruit of V. dentatum I could examine was unripe and the stone was no doubt more elongated when in the ripe berry.

Among the fruits of Indian Ursinia, mostly cast obligingly communicated by Prof. Gray, he found those of V. punctatum resembling in size to the smaller ones of V. nudum; V. erosum of Japan, with a lenticular stone might also belong here; V. oriental (of N. Asia) the representatives of our acerifolium; the reduplicated V. coloradense, premonarchum, stellulatum, perhaps Calbrookianum were very similar, though more elongate to the stone of V. Sieboldii plicatum (of Japan) embossed, and also of V. scabrellum. were very like those of

For our species of Viburnum, which he had more fully examined, he would suggest the following sections, which he would be obliged to abridge a already pledge to what heretofore was considered the Opulus, with Oreborn the more elongate stone of Section Thea, Genus; the pruinose or ribbed to all eyes.

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St. Louis, 15 May 1865

Mssrs Dr Geo. Engelmann

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*/ After this was written I received from Prof. A. Gray a specimen of Nuphar advena found ~~growing~~ in Massachusetts, with a brownish red tinge on the outer, a red blush on the inner sepals, ~~red blush~~ reddish red tipped petals, & ~~stamens~~ red ovary & stigmatic disc; the outer stamens show a slight red tinge ~~at the~~ just below the pollen-bearing part.

The species

2.	V. Lentago	(Pennsylvania)	10–11 "	"	8 " "
3.	V. obovatum	(Georgia)	6½–8		4½–6 "
4	V. nudum.				
5	V. Opulus	(Germany, Illinois	7–8½		5–7½
	var. edule	(Wisconsin)	6½–7½		7½–8

B.

6.	V. pauciflorum			
7.	V. acerifolium.	(New Hamp. Wisconsin ~~Georgia~~ Georgia	6½–7	5½–6½
8	V. pubescens	Wisconsin, London.	6–7	5½–6
9	V. dentatum	(Wisconsin, marsh)	8	4½

B.

a

10.	V. scabrellum.	(Mississippi, Texas)		
11	V. lantanoides	(Massachusetts, Vermont)	5–5½	

b. Stone oval or subglobose, not compressed.

α Stone with a narrow but deeply excavated, slightly mucronate albumen

12.	V. microcarpum	(Mexico)	4	3½
13	V. odoratissimum	(India)	8–9	5½

β. Stone with very slight groove; albumen oval (not excavated) very deeply mucronate.

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Hall of the St Louis College of Pharmacy
St Louis July 17th 1865,

George Engelmann, M.D.,

Dear Sir

You are respectfully
Solicited to attend an important
Meeting of the Board of Trustees
on Tuesday Evening July 18th at 8. O. Clock
P. M. Precisely.

Respectfully Yours
C. L. Mees &
Chairman of the
Board of Trustees,

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